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| PTO-1449                             | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. T4088.CONT              | SERIAL NO. 09/576,623 |
| LIST OF PRIOR ART CITED BY APPLICANT |  | APPLICANT John G. Carman <i>#19 cont</i> |                       |
|                                      |  | FILING DATE May 23, 2000                 | GROUP 1638            |

## U.S. PATENT DOCUMENTS

| EXAMINER INITIALS |  | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
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## FOREIGN PATENT DOCUMENTS

|  |  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION<br>YES NO |
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## OTHER PRIOR ART (Including Author, Title, Volume and/or Name of Publication, Relevant Pages and Date [as available])

|           |    |   |
|-----------|----|---|
| <i>AA</i> | AA | John et al., Comparative Embryology of Angiosperms, Vol 1: pp. 1-4, 29-41, 84-94. 1992.   |
|           | AB | Asker and Jerling, Apomixis in Plants, pp. 49-80. 1992.   |
|           | AC | Carman et al., Comparative histology of cell walls during meiotic and apomeiotic megasporogenesis in two australasian <i>Elymus</i> L. species. <i>Crop Sci.</i> 31:1527-1532. 1991                 |
|           | AD | Peel et al. Megasporocyte callose in apomictic buffelgrass, Kentucky bluegrass, <i>Pennisetum squamulatum</i> Fresen, <i>Tripsacum</i> L. and weeping lovegrass. <i>Crop Sci.</i> 37:724-732. 1997. |
|           | AE | Naumova and Willemse, Ultrastructural characterization of apomixis in <i>Panicum maximum</i> , <i>Sex Plant Repord</i> 8: 197-204. 1995   |
|           | AF | Naumova et al. Apomixis in plants: structural and functional aspects of diplospory in <i>Poa nemoralis</i> and <i>P. palustris</i> , <i>Protoplasma</i> 208:186-195. 1995.                          |
| <i>AG</i> | AG | Sherwood. Genetic analysis of apomixis, in Savidan et al ed., <i>The Flowering of Apomixis: From Mechanisms to Genetic Engineering</i> , D.F.: CIMMYT, IRD, EC DG VI, FAIR. 2001.                   |

| EXAMINER             | DATE CONSIDERED |
|----------------------|-----------------|
| <i>Same h. f. l.</i> | <i>6/23/03</i>  |

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**OTHER PRIOR ART (Including Author, Title, Volume and/or Name of Publication, Relevant Pages and Date [as available])**

|      |    |   |
|------|----|---|
| AH 2 | AH | Gustafsson Å. Apomixis in higher plants. III. Biotype and species formation. Lunds Universitets Årsskrift 43: 181-370. 1947.  |
|      | AI | Mogie M. The evolution of asexual reproduction in plants. London: Chapman and Hall. 1992.   |
|      | AJ | Carman JG. Asynchronous expression of duplicate genes in angiosperms may cause apomixis, bisporic, tetrasporic, and polyembryony. Biol J. Linnean Soc 61: 51-94. 1997.                    |
|      | AK | Sherwood et al. Inheritance of apospory in buffelgrass, Crop Sci 34:1490-1494. 1994.  |
|      | AL | Leblanc et al. Detection of the apomictic mode of reproduction in maize- <i>Tripsacum</i> hybrids using maize RFLP markers, Theor Appl Genet 90: 1198-1203. 1995.                         |
|      | AM | Carman JG, The evolution of gametophytic apomixis, In Batygina (ed) Embryology of Flowering Plants, Vol. 3, The Systems of Reproduction, Russian Acad Sci, St. Petersburg. 230-236. 2000. |
| AN   | AN | Grimanelli et al, Mapping diplosporous apomixis in tetraploid <i>Tripsacum</i> : one gene or several genes, Heredity 80:33-39. 1998.  |

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|            |    |  |
|------------|----|--|
| <i>Arc</i> | BC | Liu et al. Hybrids and backcross progenies between wheat ( <i>Triticum aestivum</i> L.) And apomictic Australian wheatgrass [ <i>Elymus rectisetus</i> (Nees in Lehm.) A. Löve & Connor]: karyotypic and genomic analyses, <i>Theor Appl Genet</i> , 89:599-605. 1994. |
|            | BD | Mogie, The Evolution of Asexual Reproduction in Plants, 139-196. 1992.   |
|            | BE | Poehlman, Breeding Field Crops, 3 <sup>rd</sup> Ed., pp. 164-165, 332-339. 1987.   |
|            | BF | Salisbury et al. Plant Physiology, 4 <sup>th</sup> Ed., pp. 504-514. 1992.   |
|            | BG | Torabinejad et al. Morphology and genome analyses of interspecific hybrids of <i>Elymus scabrus</i> , <i>Génome</i> , 29:150-155. 1987.  |
| <i>Arc</i> | BH | Zenktele. <i>In Vitro</i> Fertilization and Wide Hybridization in Higher Plants, Critical Reviews in Plant Sciences, 9: 267-279. 1990.   |

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